Bruhat Bengaluru
Mahanagara Palike

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

E-Measurement Book

1st &FINAL E-BILL:-

Name of Work :-Construction of compound wall to Govt School at 707SFS 4th phase Yelahanka New Town in Ward No - 03 of Yelahanka Satellite Town Sub division

Agency:-SRI.SAMBASHIVA REDDY,C,No:14,1st Floor,2nd Main,6th Cross,Manorayanapalya,R T Nagar Post,Bangalore-560032.

Estimate Cost :-40.00Lakh's

JOB CODE NO:-003-23-000005

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

1st &FINAL E-BILL

Name of Work :-Construction of compound wall to Govt School at 707SFS 4th phase Yelahanka New Town in Ward No - 03 of Yelahanka Satellite Town Sub division

Agency:-SRI.SAMBASHIVA REDDY,C,No:14,1st Floor,2nd Main,6th Cross,Manorayanapalya,R T Nagar Post,Bangalore-560032.

Measurements Taken On:-

S. No	Description of work	Unit	No.	Measurements L	B	D	Qty	Rate	Amount
1	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material to the appropriate disposal area as per direction of Engineer-in-charge.								
		Sqm							
	Quantity Vide As Per Pre Measurement are Prepared in Excel Sheets						**76.42**		
							76.42	867.90	**66320.58**
2	Dismantling steel work manually/ by mechanical means in built up sections without dismembering and stacking to the appropriate disposal area as per direction of Engineer-in-charge.Dismental								
		Kg							
	Quantity Vide As Per Pre Measurement are Prepared in Excel Sheets						**238.50**		
							238.50	2.20	**524.70**
3	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. Depth exceeding 1.5m, but not exceeding 3 m								
		Cum							
	Quantity Vide As Per Pre Measurement are Prepared in Excel Sheets						**321.28**		
							321.28	150.00	**48191.40**
4	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work.								
		Cum							
	Quantity Vide As Per Pre Measurement are Prepared in Excel Sheets						**376.50**		
							376.50	150.00	**56475.00**
5	Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications.								

C. Sambashiva Reddy

		Cum								
	Quantity Vide As Per Pre Measurement are Prepared in Excel Sheets						**55.25**		
							55.25	2000.00	**110500.00**
6	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. Mix 1:3:6 (M10) Using 40 mm nominal size graded crushed coarse aggregates. Specification								
		Cum								
	Quantity Vide As Per Pre Measurement are Prepared in Excel Sheets						**59.22**		
						58.43	**59.22**	6109.40	**361771.18**
7	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations and other similar works etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.								
	Filling Available of Excavated Earth	Cum	Quantity vide item No-01				76.42		
			Quantity vide item No-03				321.28		
			Quantity vide item No-04				376.50		
							774.19		
	(-)Deductions:-								
	PCC		Quantity vide item No-06				46.13		
	Boulders Filling		Quantity vide item No-05				55.25		
	Footing,s and columns Concrete		Quantity vide item No-10				25.11		
							126.49		
							647.70	224.40	**145343.21**
8	Loading and Unloading of Stone Boulder/Stone aggregates/ Sand/Kankar/Moorum.								
	Excavated Earth	Cum					774.19		
	Filling Available of Excavated Earth						647.70		
							126.44	129.80	**16412.24**
9	Cost of Haulage Excluding Loading and Unloading Taking output 10 t load and lead 10 km = 100 t.km								
	Qty frm Item No-8	t.Km		126.44		1.28	161.85		
							161.85	90.00	**14566.18**
10	Providing and laying in position Reinforced cement concrete for all **Sub structures of building,** Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) **M25** Design Mix Using 20 mm nominal size graded crushed coarse aggregates								
	Footing's	Cum	62	1.10	1.10	0.30	22.51		
	Column's		62	0.20	0.20	1.05	2.60		

C. Sanka Shiva Reddy

	Plinth Beam:-South Side,Front		1	27.70	0.23	0.20	1.27			
			1	21.30	0.23	0.20	0.98			
	West Side		1	30.00	0.23	0.20	1.38			
			1	30.00	0.23	0.20	1.38			
			1	14.70	0.23	0.20	0.68			
			1	3.20	0.23	0.20	0.15			
	North Side		1	30.00	0.23	0.20	1.38			
			1	27.70	0.23	0.20	1.27			
	East Side		1	30.00	0.23	0.20	1.38			
			1	28.70	0.23	0.20	1.32			
	Drian:- Raft		1	30.00	0.90	0.15	4.05			
			1	22.70	0.90	0.15	3.06			
	Side Wall's		2	30.00	0.15	0.60	5.40			
			2	22.70	0.15	0.60	4.09			
							52.90			
		Limited To Schedule 'B' Qty					**52.32**	5000.00	**261600.00**	
11	Providing and laying in position Reinforced cement concrete for all **Super structures of building** , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) **M25 Design Mix** Using 20 mm nominal size graded crushed coarse aggregates									
	Column above Ground Level	Cum	62	0.20	0.20	1.80	4.46			
							4.46	5000.00	**22320.00**	
12	Providing Thermo-Mechanically Treated bars of grade Fe-500D or more Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately).									
		Kg's								
	Quantity Vide As Per Pre Measurement are Prepared in Excel Sheets						**6251.22**			
							6251.22	90.00	**562609.80**	
13	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x150x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications.									
	Compound Wall:-South Side,Front	Sqm	1	27.70		1.80	49.86			
			1	21.30		1.80	38.34			
	West Side		1	30.00		1.80	54.00			
			1	30.00		1.80	54.00			
			1	14.50		1.80	26.10			

C&E

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			1	3.20		1.80	5.76			
	North Side		1	11.50		1.80	20.70			
			1	30.00		1.80	54.00			
			1	14.90		1.80	26.82			
	East Side		1	3.60		1.80	6.48			
			1	30.00		1.80	54.00			
			1	13.90		1.80	25.02			
			1	3.60		1.80	6.48			
							421.56			
		Limited To Schedule 'B' Qty					**421.13**	1000.00	**421130.00**	
14	**Fabricating, providing and erecting in position Hot dip galvanised Gate.** Using 72 X 72 X 4.8mm Sq. GI Pipe Frame with Top pipe bending in heavy duty hydraulic press with sand packing and hot bending to form double arch as per drawing profile, 20mm hot dip galvanised sq. rod for verticals at 150mm c/c, as shown in the drawing including providing hot dip galvanised forged ornamental design in between sq. rods and heads at top, middle and bottom. Intermediate supports of 75X12 mm and 50X6 mm arch bend to hot dip galvanised flats. The work is inclusive of throughing GI flat GI sq. rods, placing, welding all the joints including grinding, finishing metal putty, painting two coats enamel painting. The rate is inclusive of all materials like GI sq. pipe, GI sq. rods, GI forged designs etc., heavy duty hinges are made out of 75mm solid sq. block assembled with 20mm dia bearing in three places for each flop. Heavy Duty Locking arrangements at tow places including cost of labour, painting, erecting charges using hoist pulley cranes with all lead and lift, loading, transportation, unloading, scaffolding charges and all other incidental charges for successful completion of the work as per directions of the Engineer-in-charge of the work.									
	New Gate's:-South Side,Front	Sqm	1	5.60		2.00	11.20			
	East Side		1	3.70		2.00	7.40			
	North Side		1	1.30		2.00	2.60			
							21.20	10000.00	**212000.00**	
15	"Providing 20 mm cement plaster of mix :1:4 (1 cement: 4 fine sand) to brick/stone masonary including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge									
	Compound Wall:-South Side,Front	Sqm	2	27.70		1.90	105.26			
			2	21.30		1.90	80.94			
	West Side		2	30.00		1.90	114.00			
			2	30.00		1.90	114.00			
			2	14.50		1.90	55.10			
			2	3.20		1.90	12.16			
	North Side		2	11.50		1.90	43.70			
			2	30.00		1.90	114.00			
			2	14.90		1.90	56.62			
	East Side		2	3.60		1.90	13.68			
			2	30.00		1.90	114.00			
			2	13.90		1.90	52.82			
			2	3.60		1.90	13.68			
	Main Gate Pillars		2	1.20		1.90	4.56			
							894.52	309.80	**277122.30**	

C. Sankara Murthy

16	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade: New work (Two coats applied @ 1.43 ltr/10 m² over and including priming coat of exterior primer applied @ 2.20 kg/10 m²) with paint of approved quality to give an even shade, after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.									
	Compound Wall:-South Side,Front	Sqm	2	27.70		1.90	105.26			
			2	21.30		1.90	80.94			
	West Side		2	30.00		1.90	114.00			
			2	30.00		1.90	114.00			
			2	14.50		1.90	55.10			
			2	3.20		1.90	12.16			
	North Side		2	11.50		1.90	43.70			
			2	30.00		1.90	114.00			
			2	14.90		1.90	56.62			
	East Side		2	3.60		1.90	13.68			
			2	30.00		1.90	114.00			
			2	13.90		1.90	52.82			
			2	3.60		1.90	13.68			
	Main Gate Pillars		2	1.20		1.90	4.56			
							894.52	100.00	**89452.00**	
17	Providing and placing on terrace(at all floor levels), polyethylene water storage tanks as per IS 12701 marked,with cover and suitable locking arrangement and making necessary holes for inlet,outlet and overflow pipes but without fittings and the base support for tank(For 1000 litre capacity)									
	Syntex Tank	Ltr,s	1000				1000.00			
			1000				1000.00			
							2000.00	1.80	**3600.00**	
18	Supply and delivery of Centrifugal pumpset at site brand new best make and with discharge duty confirming to ISI standards and its latest amendments2 HP, Size 50x40 Head 22M, Discharge 186 LPM .									
	Motor	Each	1				1.00			
							1.00	1000.00	**1000.00**	
19	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,copmplete.									
	Back side:-Covering Slabs	Sqm	1	30.00	0.90		27.00			
			1	22.70	0.90		20.43			
							47.43	2600.70	**123351.20**	

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20	Providing and laying heavy duty cobble stones 75mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per m2 over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and Usage charges of machinery complete as per specifications.									
	SMIGB-34 Block,Right Side Open Area	Sqm	1	15.30	5.70		87.21			
							87.21			
	(-)Deductions:-									
	Chambers		1	1.35	0.75		1.01			
			3	0.75	0.75		1.69			
			1	0.60	0.60		0.36			
	Manhole		1	1.20	1.20		1.44			
							4.50			
							82.71			
				Limited To Schedule B Qty			**82.60**	997.90	82426.54	
								SubTotal Rs	**2871941.72**	
								Add 18% of GST Rs	**516949.51**	
								Grand Total Rs	**3388891.23**	

CERTIFICATE:

1) Certified that the above work done is satisfactory completed.

2) Certified that the there is no debries have been cleared to site.

Assistant Engineer
Ward No-03

C.Sanka Reddy

Assistant Executive Engineer
Yelahanka Satellite Town Sub Division
BBMP

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Bruhat Bengaluru
Mahanagara Palike

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

PRE-MEASUREMENTS

Name of Work :-Construction of compound wall to Govt School at 707SFS 4th phase Yelahanka New Town in Ward No - 03 of Yelahanka Satellite Town Sub division

Agency:-SRI.SAMBASHIVA REDDY,C,No:14,1st Floor,2nd Main,6th Cross,Manorayanapalya,R T Nagar Post,Bangalore-560032.

JOB CODE NO:-003-23-000005

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

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Agency:-SRI.SAMBASHIVA REDDY,C,No:14,1st Floor,2nd Main,6th Cross,Manorayanapalya,R T Nagar Post,Bangalore-560032.

Pre-Measurements Taken On:- 12/01/2023

S. No	Description of work	Unit	No.	Measurements			Qty	Remarks
				L	B	D		
1	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material to the appropriate disposal area as per direction of Engineer-in-charge.							
	Existing Compound wall	Sqm	1	52.70		1.45	76.42	
							76.42	

Assistant Engineer
Ward No-03

Assistant Executive Engineer
Yelahanka Satellite Town Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

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Agency:-SRI.SAMBASHIVA REDDY,C,No:14,1st Floor,2nd Main,6th Cross,Manorayanapalya,R T Nagar Post,Bangalore-560032.

Pre-Measurements Taken On:- 12/01/2023

S. No	Description of work	Unit	No.	Measurements			Qty	Remarks
				L	B	D		
2	Dismantling steel work manually/ by mechanical means in built up sections without dismembering and stacking to the appropriate disposal area as per direction of Engineer-in-charge.Dismental							
	Existing Gate	Kg	1	5.30		1.50	7.95	
				(7.95 Sqm X 30 kg)			**238.50**	
							238.50	

Assistant Engineer
Ward No-03

Assistant Executive Engineer
Yelahanka Satellite Town Sub Division
BBMP

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BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

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Agency:-SRI.SAMBASHIVA REDDY,C,No:14,1st Floor 2nd Main,6th Cross,Manorayanapalya,R T Nagar Post,Bangalore-560032.

Pre-Measurements Taken On:- 16/01/2023

S No	Description of work	Unit	No.	Measurements			Qty	Remarks
				L	B	D		
3	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. Depth exceeding 1.5m, but not exceeding 3 m							
	Footing's	Cum	62	1.10	1.10	1.50	112.53	
	Foundation:-South Side,Front		1	27.70	0.75	0.90	18.70	
			1	21.30	0.75	0.90	14.38	
	West Side		1	30.00	0.75	0.90	20.25	
			1	30.00	0.75	0.90	20.25	
			1	14.70	0.75	0.90	9.92	
			1	3.20	0.75	0.90	2.16	
	North Side		1	30.00	0.75	0.90	20.25	
			1	27.70	0.75	0.90	18.70	
	East Side		1	30.00	0.75	0.90	20.25	
			1	28.70	0.75	0.90	19.37	
	Drain		1	30.00	0.95	0.90	25.65	
			1	22.70	0.95	0.90	19.41	
							321.28	

Assistant Engineer
Ward No-03

Assistant Executive Engineer
Yelahanka Satellite Town Sub-Division
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Pre-Measurements Taken On:- 17/01/2023

S. No	Description of work	Unit	No.	Measurements			Qty	Remarks
				L	B	D		
4	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work.							
	Debris Removal	Cum						
	School Surrounding's:-RHS		1	100.00	3.30	0.45	148.50	
	LHS		1	114.00	4.00	0.50	228.00	
							376.50	

Assistant Engineer
Ward No-03

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Pre-Measurements Taken On:- 17/01/2023

S. No	Description of work	Unit	No.	Measurements L	B	D	Qty	Remarks
5	Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications.							
	Footing's	Cum	62	1.10	1.10	0.25	18.76	
	Foundation:-South Side,Front		1	27.70	0.75	0.20	4.16	
			1	21.30	0.75	0.20	3.20	
	West Side		1	30.00	0.75	0.20	4.50	
			1	30.00	0.75	0.20	4.50	
			1	14.70	0.75	0.20	2.21	
			1	3.20	0.75	0.20	0.48	
	North Side		1	30.00	0.75	0.20	4.50	
			1	27.70	0.75	0.20	4.16	
	East Side		1	30.00	0.75	0.20	4.50	
			1	28.70	0.75	0.20	4.31	
							55.25	

Assistant Engineer
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Agency:-SRI.SAMBASHIVA REDDY,C,No:14,1st Floor,2nd Main,6th Cross,Manorayanapalya,R T Nagar Post,Bangalore-560032.

Pre-Measurements Taken On:- 20/01/2023

S. No	Description of work	Unit	No.	Measurements L	B	D	Qty	Remarks
6	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. Mix 1:3:6 (M10) Using 40 mm nominal size graded crushed coarse aggregates. Specification							
	Footing's	Cum	62	1.10	1.10	0.15	11.25	
	Foundation:-South Side,Front		1	27.70	0.75	0.15	3.12	
			1	21.30	0.75	0.15	2.40	
	West Side		1	30.00	0.75	0.15	3.38	
			1	30.00	0.75	0.15	3.38	
			1	14.70	0.75	0.15	1.65	
			1	3.20	0.75	0.15	0.36	
	North Side		1	30.00	0.75	0.15	3.38	
			1	27.70	0.75	0.15	3.12	
	East Side		1	30.00	0.75	0.15	3.38	
			1	28.70	0.75	0.15	3.23	
	Drain		1	30.00	0.95	0.15	4.28	
			1	22.70	0.95	0.15	3.23	
	Cobble Stone							
	SMIGB-34 Block,Right Side Open Area	Sqm	1	15.30	5.70	0.15	13.08	
							59.22	
	(-)Deductions:-							
	Chambers		1	1.35	0.75	0.15	0.15	
			3	0.75	0.75	0.15	0.25	
			1	0.60	0.60	0.15	0.05	
	Manhole		1	1.20	1.20	0.15	0.22	
							0.68	
							58.43	

Assistant Engineer
Ward No-03

Assistant Executive Engineer
Yelahanka Satellite Town Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of Work :-Construction of compound wall to Govt School at 707SFS 4th phase Yelahanka New Town in Ward No - 03 of Yelahanka Satellite Town Sub division

Agency:-SRI.SAMBASHIVA REDDY,C,No:14,1st Floor,2nd Main,6th Cross,Manorayanapalya,R T Nagar Post,Bangalore-560032.

Pre-Measurements Taken On:- 21/01/2023

S. No	Description of work	Unit	No.	Measurements L	B	D	Qty	Remarks
12	Providing Thermo-Mechanically Treated bars of grade Fe-500D or more Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately).							
	Footing's:-							
	Main Rods 10mm Dia Both Side	14	62	1.65	1432.20	0.62	887.96	
	Column's:-							
	Main Rods 12mm Dia	6	62	4.20	1562.40	0.89	1390.54	
	Stirrupps,8mm Dia (0.20c/c)	14	62	1.00	868.00	0.39	338.52	
	Measurements Continued On:- 06/02/2023							
	Plinth Beam:- Main Rods 16mm Dia							
	South Side,Front		6	30.00	180.00			
			6	21.60	129.60			
	West Side		6	30.00	180.00			
			6	30.00	180.00			
			6	15.00	90.00			
			6	3.50	21.00			
	North Side		6	30.00	180.00			
			6	30.00	180.00			
	East Side		6	30.00	180.00			
			6	29.00	174.00			
					1494.60	1.58	2361.47	
	Stirrupps,8mm Dia (0.20c/c)							
	South Side,Front		150	1.00	150.00			
			108	1.00	108.00			
	West Side		150	1.00	150.00			
			150	1.00	150.00			
			75	1.00	75.00			
			18	1.00	18.00			
	North Side		150	1.00	150.00			
			150	1.00	150.00			

	East Side		150	1.00	150.00			
			150	1.00	150.00			
					1251.00	0.39	487.89	
	Measurements Continued On:- 13/03/2023							
	For Drain							
	Main Rods 10mm Dia (0.12c/c)		250	2.10	525.00			
			190	2.10	399.00			
					924.00	0.62	572.88	
	Distrubutions:-8mm Dia(0.20c/c)		11	30.00	330.00			
			11	22.60	248.60			
					578.60	0.39	225.65	
							6251.22	

Assistant Engineer
Ward No-03

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Yelahanka Satellite Town Sub Division